

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 60176313
PUBLICATION DATE : 10-09-85

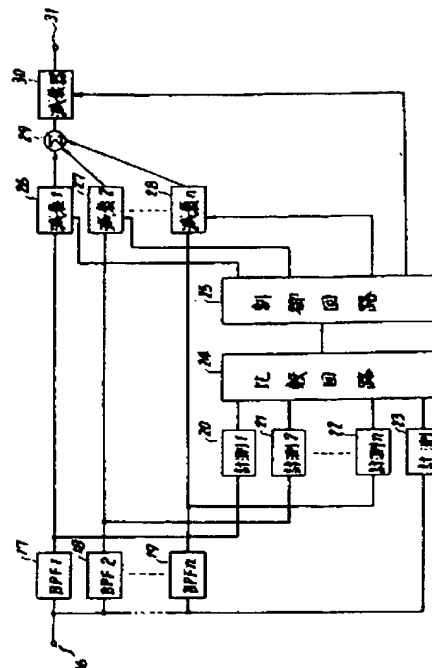
APPLICATION DATE : 21-02-84
APPLICATION NUMBER : 59031985

APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : MATSUMOTO MASA HARU;

INT.CL. : H03G 3/20 H03H 11/02

TITLE : HOWLING SUPPRESSING DEVICE



ABSTRACT : PURPOSE: To detect a howling of a voiceless section, and to execute a suppression by observing a magnitude of a signal of all bands for some prescribed time, detecting a time point which becomes the minimum, and comparing a magnitude of a signal of each frequency band of this section.

CONSTITUTION: In addition to band-pass filters 17~19 for dividing into each frequency hand, a measuring circuit 13 is provided, a magnitude of a signal is measured periodically extending over all frequencies, and a time point when the magnitude of its signal is the smallest is detected. At this time point, a comparing circuit 24 is operated, an output of measuring circuits 20~22 for measuring a magnitude of a signal of each band is compared with a magnitude of a signal of both adjacent bands, and a band in which a difference of its magnitude has exceeded a set value is detected. By an output of this comparing circuit 24, a controlling circuit 25 gives a prescribed attenuation quantity of attenuators 26~ 28 corresponding to the detected band. At the time point when the number of bands detected by the comparing circuit 24 has reached a prescribed value, a prescribed attenuation quantity is given to an attenuator 30.

COPYRIGHT: (C)1985,JPO&Japio